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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/553,507	10/10/2006	German Spangenberg	FREE.P-006	4691
57381 7590 09/28/2010 Larson & Anderson, LLC P.O. BOX 4928			EXAMINER	
			PAK, YONG D	
DILLON, CO	80435		ART UNIT	PAPER NUMBER
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	App
	10/553,507	SP
Before the Filing of an Appeal Brief	Examiner	Art

	Application No.	Applicant(s)				
	10/553,507	SPANGENBERG ET AL.				
	Examiner	Art Unit				
	YONG D. PAK	1652				

Continuation Sheet (PTOL-303) Application No. -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --THE REPLY FILED 13 September 2010 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE. 1. X The reply was filed after a final rejection, but prior to or on the same day as filing a Notice of Appeal. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114. The reply must be filed within one of the following time periods: a) The period for reply expires 3 months from the mailing date of the final rejection. b) The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection. Examiner Note: If box 1 is checked, check either box (a) or (b), ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706,07(f). Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from; (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed. may reduce any earned patent term adjustment. See 37 CFR 1.704(b). NOTICE OF APPEAL 2. The Notice of Appeal was filed on . A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a). AMENDMENTS 3. X The proposed amendment(s) filed after a final rejection, but prior to the date of filing a brief, will not be entered because (a) They raise new issues that would require further consideration and/or search (see NOTE below): (b) They raise the issue of new matter (see NOTE below); (c) They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal: and/or (d) They present additional claims without canceling a corresponding number of finally rejected claims. NOTE: The amendment adds a new limitation to claims 33 and 35, "functionally active variants have the ability to modify malate dehydrogenase activity in a plant". The above phrase would warrant a new rejection under 112, 1st paragraph for new matter because such functionally variants were not described in the specification as filed. The specification on pages 5-6 defines "functionally active" polynucleotides as "By "functionally active" in respect of a nucleic acid it is meant that the fragment or variant is capable of modifying organic acid biosynthesis in a lant. A variant in this context can be an analogue. derivative or mutant and includes naturally occurring allelic variants and non-naturally occurring variants. Additions, deletions, substitutions and derivatizations of one or more of the nucleotides are contemplated so long as the modifications do not result in loss of functional activity of the fragment or variant. Preferably the functionally active fragment or variant has at least approximately 80% identity to the functional part of the above mentioned sequence, more preferably at least approximately 90% identity, most preferably at least approximately 95% identity. Such functionally active variants and fragments include, for example, those having nucleic acid changes which result in conservative amino acid substitutions of one or more residues in the corresponding amino acid sequence. Preferably the fragment has a size of at least 30 nucleotides, more preferably at least 45 nucleotides, most preferably at least 60 nucleotides, However, the specification does not provide disclosure of a variant having at least 95% sequence identity to the polynucleotide of (a), wherein said variant polynucleotide has the ability to modify malate dehydrogenase activity in a plant. The specification only provides disclosure of variants having 95% sequence identity to the polynucleotide of (a), wherein said variant encodes a polypeptide having malate dehydrogenase activity. Also, although the specification provides disclosure of a variant having at least 95% sequence identity to the polynucleotide of (b), or (c), wherein said variant polynucleotide modifies the expression of a polynucleotide of (a) encoding a malate dehydrogenase, the disclosure fails to provide a disclosure of such variants having the ability to modify the activity of a malate dehydrogenase in a plant. The above phrase would also warrant a new rejection under 112, 2nd paragraph because it is not clear how variants having at least 95% sequence identity to the polynucleotide of (a) has the ability to modify malate dehydrogenase activity since the polynucleotide of (a) are coding polynucleotides encoding malate dehydrogenase. Therefore, the newly amended claims warrant further consideration on these newly incorporated limitations, necessitating a new search in the prior art and/or a new rejections. (See 37 CFR 1.116 and 41.33(a)). The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324). Applicant's reply has overcome the following rejection(s): _ 6. 🔲 Newly proposed or amended claim(s) _____ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).

AFFIDAVIT OR OTHER EVIDENCE

8. The affidavit or other evidence filed after a final action, but before or on the date of filing a Notice of Appeal will not be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e).

1. The affidavit or other evidence filed after the date of filing a Notice of Appeal but night to the date of filing a

7. X For purposes of appeal, the proposed amendment(s): a) X will not be entered, or b) will be entered and an explanation of

how the new or amended claims would be rejected is provided below or appended.

The status of the claim(s) is (or will be) as follows:

Claim(s) rejected: 30.31.33.35.40-42.58.59 and 61-63. Claim(s) withdrawn from consideration:

Claim(s) allowed: _____ Claim(s) objected to: 60

/Yong D Pak/

Primary Examiner, Art Unit 1652

U.S. Patent and Trademark Office PTOL-303 (Rev. 08-06)

Advisory Action Before the Filing of an Appeal Brief

Part of Paper No. 20100923